

What is claimed is:

1 1. A database system comprising:
2 a storage subsystem to store a plurality of temporary tables and a target
3 table; and
4 an access management subsystem adapted to receive, in parallel, groups of
5 data from a source system for storage in corresponding temporary tables,
6 the access management subsystem adapted to further insert data from the
7 temporary tables into the target table.

1 2. The database system of claim 1, wherein the access management system
2 comprises plural access managers adapted to manage access of respective portions of the
3 storage subsystem.

1 3. The database system of claim 2, wherein the temporary tables are defined
2 according to definitions for a source table in the source system.

1 4. The database system of claim 2, wherein the plural access managers are
2 adapted to insert data from the temporary tables in parallel to the target table.

1 5. The database system of claim 4, the storage subsystem to store the
2 definitions for the source table copied from the source system.

1 6. The database system of claim 2, wherein the plural access managers
2 comprise access module processors, the storage subsystem divided into plural storage
3 modules managed by respective access module processors.

1 7. The database system of claim 6, wherein the target table is distributed
2 across the plural storage modules.

1 8. The database system of claim 1, wherein the temporary tables are
2 relational tables.

1 9. The database system of claim 1, wherein the access management
2 subsystem has a configuration different from a configuration of an access management
3 system in the source system.

1 10. A method of migrating data, comprising:
2 archiving data from a source table in a source database system;
3 transferring groups of the archived data, in parallel, to corresponding
4 temporary tables in a target database system; and
5 inserting data from the temporary tables into a target table in the target
6 database system.

1 11. The method of claim 10, wherein archiving the data comprises archiving
2 the data using a plurality of concurrently active archive modules.

1 12. The method of claim 11, wherein transferring the groups of data comprises
2 restoring the groups of data, in parallel, using a plurality of restore modules.

1 13. The method of claim 12, further comprising communicating the groups of
2 data between respective pairs of archive modules and restore modules across a transfer
3 medium.

1 14. The method of claim 13, wherein communicating across the transfer
2 medium comprises communicating across a pipe defined by an operating system in one
3 of the source database system and target database system.

1 15. The method of claim 13, wherein communicating across the transfer
2 medium comprises communicating through an intermediate storage system.

1 16. The method of claim 10, further comprising storing the source table across
2 plural access managers, each access manager managing access to respective portions of
3 the source table.

1 17. The method of claim 16, wherein transferring groups of the data comprises
2 transferring clusters of the data, each cluster of data comprising data associated with a
3 respective set of plural access managers.

1 18. The method of claim 10, further comprising copying database definitions
2 from the source database system to the target database system.

1 19. The method of claim 18, further comprising creating the temporary tables
2 in the target database system using the copied database definitions.

1 20. The method of claim 10, wherein archiving the data comprises archiving
2 the data from a first source table, and transferring the groups of the archived data
3 comprises transferring the groups of the archived data to a first set of temporary tables,
4 the method further comprising:
5 archiving data from a second source table; and
6 transferring groups of the archived data from the second source table, in
7 parallel, to corresponding second set of temporary tables in the target database system.

1 21. The method of claim 20, further comprising inserting data from the second
2 set of temporary tables into a second target table in the target database system.

1 22. A method of migrating data from a first source table in a first database
2 system to a second database system, comprising:
3 receiving groups of data from the source table from an intermediate
4 medium into corresponding temporary tables in the second database system,
5 defining the temporary tables according to definitions of the source table;
6 and
7 inserting rows of the temporary tables into a target table in the second
8 database system.

1 23. The method of claim 22, wherein receiving the data comprises receiving
2 data from the groups in parallel into the corresponding temporary tables.

1 24. The method of claim 22, wherein receiving the data from the intermediate
2 medium comprises receiving the data over a data network.

1 25. The method of claim 22, wherein receiving the data from the intermediate
2 medium comprises receiving the data from an intermediate storage system.

1 26. An article comprising at least one storage medium containing instructions
2 that when executed cause a target database system to:
3 receive one or more queries to set up temporary tables in the target
4 database system;
5 receive groups of data from a source table in a source database system into
6 the temporary tables; and
7 insert data from the temporary tables into a target table in the target
8 database system.

1 27. The article of claim 26, wherein the instructions when executed cause the
2 target database system to create the temporary tables using definitions for the source
3 table.

1 28. The article of claim 26, wherein the instructions when executed cause the
2 target database system to create the temporary tables to have at least one or more of the
3 following characteristics of the source table: columns, data types of columns, primary
4 key, and one or more indexes.

1 29. The article of claim 26, wherein the instructions when executed cause the
2 target database system to receive the groups of data comprising clusters of data.

1 30. The article of claim 29, wherein each cluster comprises data of plural
2 access module processors in the source database system.

1 31. An article comprising at least one storage medium containing instructions
2 for migrating data from a first source table in a first database system to a second database
3 system, the instructions when executed causing the second database system to:
4 receive, in parallel, groups of data from the source table from an
5 intermediate medium into corresponding temporary tables in the second database system,
6 define the temporary tables according to definitions of the source table;
7 and
8 insert rows of the temporary tables, in parallel, into a target table in the
9 second database system.

FOOTNOTES